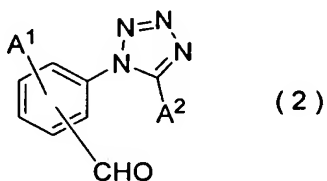


Claims

1. A process for producing an alkoxy-(tetrazol-1-yl)benzaldehyde compound represented by Formula (2):

5

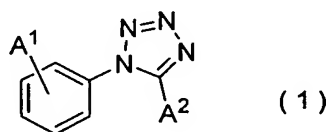


wherein  $A^1$  is an alkoxy group, and  $A^2$  is a hydrogen atom, alkyl group or fluorine-substituted alkyl group,

10

the process comprising reacting a 1-(alkoxyphenyl)-1H-tetrazole compound represented by Formula (1):

15



wherein  $A^1$  and  $A^2$  are as defined above, with hexamethylenetetramine in a sulfonic acid solvent, followed by hydrolysis.

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2. The process according to claim 1, wherein the sulfonic acid solvent is a mixed solvent of methanesulfonic acid and trifluoromethanesulfonic acid.

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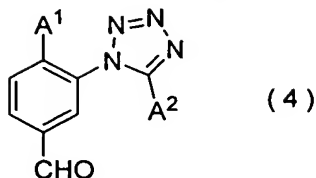
3. The process according to claim 1, wherein hexamethylenetetramine is used in an amount of 1.0 to 3.0 mol per mol of the 1-(alkoxyphenyl)-1H-tetrazole compound.

4. The process according to claim 1, wherein  $A^1$  is a methoxy group, and  $A^2$  is a hydrogen atom, methyl group, ethyl group or trifluoromethyl group.

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5. A process for producing a 4-alkoxy-3-(tetrazol-1-yl)benzaldehyde compound represented by Formula (4):

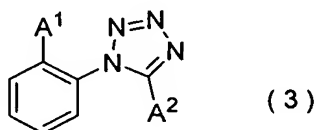
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5 wherein A<sup>1</sup> is an alkoxy group, and A<sup>2</sup> is a hydrogen atom, alkyl group or fluorine-substituted alkyl group,

the process comprising reacting a 1-(2-alkoxyphenyl)-1H-tetrazole compound represented by Formula (3):

10

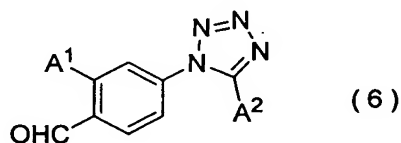


wherein A<sup>1</sup> and A<sup>2</sup> are as defined above, with hexamethylenetetramine in a sulfonic acid solvent, followed by hydrolysis.

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6. A process for producing a 2-alkoxy-4-(tetrazol-1-yl)benzaldehyde compound represented by Formula (6):

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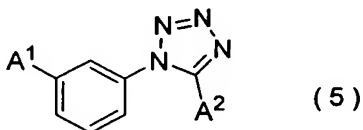


wherein A<sup>1</sup> is an alkoxy group, and A<sup>2</sup> is a hydrogen atom, alkyl group or fluorine-substituted alkyl group,

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the process comprising reacting a 1-(3-alkoxyphenyl)-1H-tetrazole compound represented by Formula (5):

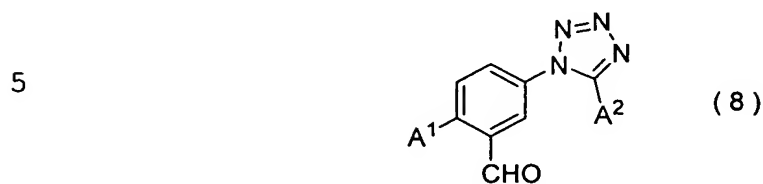
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wherein A<sup>1</sup> and A<sup>2</sup> are as defined above, with hexamethylenetetramine in a sulfonic acid solvent, followed by hydrolysis.

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7. A process for producing a 2-alkoxy-5-(tetrazol-1-yl)benzaldehyde compound represented by Formula (8):



wherein A<sup>1</sup> is an alkoxy group, and A<sup>2</sup> is a hydrogen atom, alkyl group or fluorine-substituted alkyl group,

10 the process comprising reacting a 1-(4-alkoxyphenyl)-1H-tetrazole compound represented by Formula (7):



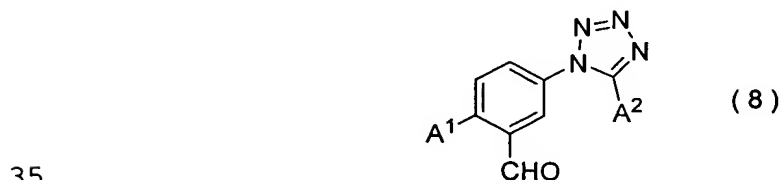
wherein A<sup>1</sup> and A<sup>2</sup> are as defined above, with hexamethylenetetramine in a sulfonic acid solvent, followed by hydrolysis.

20 8. An alkoxy-(tetrazol-1-yl)benzaldehyde compound represented by Formula (2):



wherein A<sup>1</sup> is an alkoxy group, and A<sup>2</sup> is a hydrogen atom, alkyl group or fluorine-substituted alkyl group, with the proviso that the compound is not a 2-alkoxy-5-(tetrazol-1-yl)benzaldehyde compound represented by Formula (8):

30

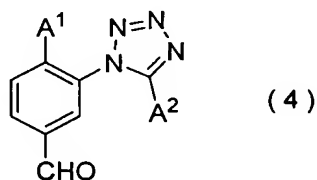


wherein A<sup>1</sup> and A<sup>2</sup> are as defined above.

9. The alkoxy-(tetrazol-1-yl)benzaldehyde compound according to claim 8, wherein the aldehyde group is in an ortho or para position relative to A<sup>1</sup>.

10. A 4-alkoxy-3-(tetrazol-1-yl)benzaldehyde compound represented by Formula (4):

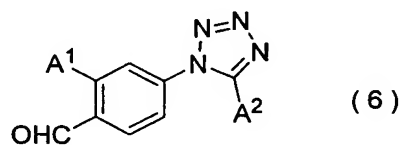
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15 wherein A<sup>1</sup> is an alkoxy group, and A<sup>2</sup> is a hydrogen atom, alkyl group or fluorine-substituted alkyl group.

11. A 2-alkoxy-4-(tetrazol-1-yl)benzaldehyde compound represented by Formula (6):

20



25 wherein A<sup>1</sup> is an alkoxy group, and A<sup>2</sup> is a hydrogen atom, alkyl group or fluorine-substituted alkyl group.